Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/13/2020 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125415	0	2.89	125417	2.89
Blue	F	SSC	125000	124960	-1	1.91	125708	1.92
Blue	E	FITC	15892	15435	-3	2.80	337	20.64
Blue	D	PE	29999	29519	-2	2.01	644	15.06
Blue	B	PerCP-Cy5-5	43732	43683	-1	3.65	1169	20.20
Blue	A	PE-Cy7	30845	31278	1	5.97	600	40.75
Red	C	APC	46112	45286	-2	2.50	1602	12.02
Red	A	APC-Cy7	30458	29791	-3	2.36	794	11.90
Violet	B	V450	7918	7595	-5	4.29	431	12.92
Violet	A	V500	32171	30802	-5	4.11	722	10.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16292	14.79	626	5	N/A	N/A	Pass
Blue	F	SSC	56950	1.44	563	4	N/A	N/A	Pass
Blue	E	FITC	61	62.06	542	-1	0.0176	35	Pass
Blue	D	PE	133	48.89	548	0	0.1411	202	Pass
Blue	B	PerCP-Cy5-5	216	48.77	655	-1	0.0092	38	Pass
Blue	A	PE-Cy7	110	100.74	698	0	0.0108	14	Pass
Red	C	APC	382	25.17	585	1	0.0251	168	Pass
Red	A	APC-Cy7	174	28.05	556	0	0.0055	698	Pass
Violet	B	V450	66	57.53	460	2	0.0512	1903	Pass
Violet	A	V500	108	32.35	476	2	0.0234	632	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.00	-32.67	0.99
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	17.65	13.60 - 20.40	N/A	N/A	29.21	30.53	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10249

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments